

AMENDMENT TO THE CLAIMS

The following claim set replaces all prior versions, and listings, of claims in the application:

1. (currently amended) An aqueous coating composition having a 60° gloss of ≤ 40 upon drying comprising a self-crosslinkable polyurethane obtained by the reaction of:
 - (A) an isocyanate-terminated pre-polymer formed from components which comprise
 - (i) 5 to 65 wt% of at least one organic polyisocyanate;
 - (ii) 0.1 to 6 wt% of at least one polyol containing ionic or potentially ionic water-dispersing groups, having two or more isocyanate-reactive groups and having ~~a~~ an average molecular weight in the range of from 100 up to 500 g/mol;
 - (iii) 0 to 30 wt% of at least one polyol containing water-dispersing groups, having two or more isocyanate-reactive groups and having ~~a~~ an average molecular weight in the range of from 500 to 6000 g/mol;
 - (iv) 10 to 80 wt% of at least one polyol containing crosslinkable groups, having two or more isocyanate-reactive groups and having ~~a~~ an average molecular weight in the range of from 150 to 6000 g/mol;
 - (v) 10 to 70 wt% of at least one polyol not comprised by (iii) or (iv) having two or more isocyanate-reactive groups and having ~~a~~ an average molecular weight in the range of from 500 to 6000 g/mol;
 - (vi) 0 to 50 wt% of at least one component not comprised by (i), (ii), (iii), (iv) or (v); where (i), (ii), (iii), (iv), (v) and (vi) add up to 100 wt%; and

where the NCO: OH ratio is in the range of from 1.1 : 1.0 to 10.0 : 1.0 ;
and

(B) at least one active-hydrogen chain extending compound.

2. (original) An aqueous coating composition according to claim 1 having a 85° gloss of ≤ 60 .
3. (original) An aqueous coating composition according to anyone of the preceding claims containing < 5% by weight of flattening agent by weight of the self-crosslinkable polyurethane.
4. (previously presented) An aqueous coating composition according to claim 1 additionally comprising component (ia) 0 to 20 wt% of at least one organic polyisocyanate with an isocyanate functionality ≥ 2.2 , where (i), (ii), (iii), (iv), (v), (vi) + (ia) add up to 100 wt%.
5. (previously presented) An aqueous coating composition according to claim 1 wherein component (vi) comprises a polysiloxane polyol.
6. (previously presented) An aqueous coating composition according to claim 1 wherein the self-crosslinkable polyurethane has an average particle size in the range of from 500nm to 5000nm.
7. (previously presented) An aqueous coating composition according to claim 1 additionally comprising a reactive diluent.
8. (previously presented) An aqueous coating composition comprising:
 - I) 40 to 80 wt% of water;
 - II) 0 to 30 wt% of co-solvent;
 - III) 20 to 60 wt% of the self-crosslinkable polyurethane according to claim 1;
 - IV) 0 to 10 wt% of hydrophobe modified ethylene oxide urethane;

- V) 0 to 16 wt% of surfactants;
 - VI) 0 to 10 wt% of thickeners; and
 - VII) 0 to 3 wt% of alkyd drying agent, accelerator and/or activator;
- where I), II), III), IV), V), VI) and VII) add up to 100%.

9. (previously presented) A coating obtained from an aqueous coating composition according to claim 1.
10. (previously presented) A coated substrate having a coating comprising an aqueous coating composition according to claim 1.
11. (currently amended) A method of coating a substrate using an aqueous coating composition according to claim 1, comprising (a) application of the aqueous coating composition to a substrate and (b) removal of the water and any co-solvent.
12. (currently amended) A process for preparing an aqueous coating composition according to claim 1 comprising the following steps:
 - a) reaction of components (i) to (vi) to form an isocyanate-terminated prepolymer (A);
 - b) forming an aqueous dispersion of the isocyanate-terminated prepolymer (A) in water;
 - c) optionally neutralising the isocyanate-terminated prepolymer (A) after and/or during step a) and/or step b);
 - d) chain extension of the isocyanate-terminated prepolymer (A) by reaction with the active-hydrogen chain extending compound (B); and
 - e) optionally adding crosslinker.